

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A system ~~(30)~~ for displaying a user selectable subset of images ~~(3)~~ from an image data set, ~~in particular for medical applications,~~ the images ~~(3)~~ being at least two-dimensional and being associated with a set of at least one attribute with a respective range of values and an additional attribute with a range of values, the system comprising:

an input ~~(35)~~ for receiving the image data set;

a memory ~~(39)~~ for storing the image data set;

an interface for receiving instructions from a user, the interface comprising a manipulation unit ~~(37, 38)~~;

a processor ~~(36)~~ for, under control of a computer program,

[[-]] enabling a user to select a respective subrange of the range of values by scrolling substantially parallel to a horizontal x-axis without use of a slider or a vertical y-axis of a display via the manipulation unit ~~(37, 38)~~ without use of a slider;

[[-]] enabling a user to select a value for the additional

attribute by scrolling substantially parallel to an imaginary z-axis via the manipulation unit ~~(37, 38)~~ without use of a slider;

[[~~-~~]] determining the subset, by selecting images ~~(3)~~ which for the at least one attribute of the set have values in the respective subrange and which also have the value for the additional attribute;

[[~~-~~]] generating a view of the subset of images (3); and

an output ~~(33)~~ for providing pixel values of the view for rendering on a display ~~(34)~~.

2. (Currently amended) A ~~The~~ system ~~(30)~~ as claimed in claim 1, wherein the manipulation unit comprises a pointer device ~~(38)~~ and the imaginary z-axis is being realized in a line extending between the x-axis and the y-axis.

3. (Currently amended) A ~~The~~ system ~~(30)~~ as claimed in claim 1, wherein a mouse pointer is provided for providing visual feedback during selection of the subranges or the value of the additional attribute.

4. (Currently amended) A ~~The~~ system ~~(30)~~ as claimed in claim 1,

wherein an indicator is provided for indicating along which of the three axes scrolling is possible.

5. (Currently amended) A The system (30) as claimed in claim 1, wherein a configuration dialog (100) is provided for configuring which attributes are represented by each of the three axes.

6. (Currently amended) A The system (30) as claimed in claim 1, wherein the processor (36) is arranged for, under control of the computer program,

[[-]] changing the subset by periodically increasing or decreasing the value of an attribute of the set or the value of the additional attribute; and

[[-]] changing the view according to the changed subset.

7. (Currently amended) A The system (30) as claimed in claim 1, wherein the processor (36) is arranged for, under control of the computer program,

[[-]] periodically increasing or decreasing a value of a further attribute of each image (3), said value not being selectable by scrolling substantially parallel to one of the three

axes; and

[[-]] changing the view according to the changed value.

8. (Currently amended) A method for displaying a user selectable subset of images ~~(3)~~ from an image data set, ~~in particular for medical applications~~, the images ~~(3)~~ being at least two-dimensional and being associated with a set of at least one attribute with a respective range of values and an additional attribute with a range of values, the method comprising acts of:

receiving and storing the image data set;

enabling a user to select a subrange of the respective range of values by scrolling substantially parallel to a horizontal x-axis without use of a slider or a vertical y-axis of a display via a manipulation unit ~~(37,38)~~ without use of a slider;

enabling a user to select a value for the additional attribute by scrolling substantially parallel to an imaginary z-axis via the manipulation unit without use of a slider;

determining the subset, by selecting images ~~(3)~~ which for the at least one attribute of the set have values in the respective subrange and which also have the value for the additional attribute;

generating a view of the subset of images; and
providing pixel values of the view for rendering on a display
(30).

9. (Currently amended) A computer program product stored on a computer readable medium operative to cause a processor to perform the method of claim 8.

10. (New) The system as claimed in claim 1, wherein the image data set is related to medical applications.

11. (New) The system as claimed in claim 1, wherein the processor is arranged for, under control of the computer program, increasing the selected subrange at a faster rate than initially if the scrolling is maintained.

12. (New) The system as claimed in claim 1, wherein the processor is arranged for, under control of the computer program, generating a view of an indication indicating potential directions for scrolling.

13. (New) The method as claimed in claim 8, wherein the image data set is related to medical applications.

14. (New) The method as claimed in claim 8, comprising an act of increasing the selected subrange at a faster rate than initially if the scrolling is maintained.

15. (New) The method as claimed in claim 8, comprising an act of generating a view of an indication indicating potential directions for scrolling.